

Assignment for the Developer Task

1. Functional Requirements

Please, find DB schema and MySQL dump file in the “database” folder. Your task is to create simple web application, which supports two main functionalities:

- Adding New XML RSS Feed
- Viewing Saved XML RSS Feeds

1.1. Adding New XML RSS Feed

User should be able to provide two values: **feed URL** (``feeds`.`feeds`.`url``) and **feed Name** (``feeds`.`feeds`.`feed_name``). User should be able get to RSS saved feeds without form submit. The primal wireframe for this page is provided below. It need be updated. One XML RSS example is <http://www.15min.lt/rss>

Add XML RSS Feed

Please provide new XML RSS Feed information

XML RSS Feed URL:

XML RSS Feed Name:

After submitting the data, application should parse feed information and persist information in corresponding database tables (**feeds** and **items**) and form user should understand what happen.

1.2. Viewing Saved XML RSS Feeds

An area, where list of all saved feeds should be displayed. User should also have an option to select single feed and see its details.

- The list view should provide simple list of all previously added feeds (wireframe is provided below)

XML RSS Feed

Please find the list of all available feeds

[15min.lt](#)

[Another RSS Feed](#)

- The details view should provide details about the user's selected feed.

The list should include:

- o Feed name
- o URL address
- o Update time and date
- o Article count
- o Most recent articles title and URL (5 most recent)

No wireframes are provided for this part -- You're free to choose how to visualize those elements.

2. Technical Requirements

- Application should be written in Java 8 and should be based on Spring Framework (it's important that for WEB part Spring MVC is used).
- Design MVC views (JSP pages) using HTML / CSS and JS (where applicable).
- You're free to choose ORM Framework (e.g. Hibernate, etc.)
- Use Apache Tomcat servlet container to run your WEB application.
- Use one or more design patterns and name them in the comments.
- Try your best reusing components around the web, do not reinvent the bicycle.
- Try to cover your code with tests as much as possible.
- Provide README file with instructions for installation.

Please, show off your skills in delivering high quality applications. Details matter!